

**SYSTEM AND METHOD FOR SHIFTING
THE PHASE OF PSEUDORANDOM NOISE CODE IN
DIRECT SEQUENCE SPREAD SPECTRUM COMMUNICATIONS**

ABSTRACT OF THE INVENTION

5 A system and method for shifting the phase of a PN code
sequence are provided, useful in communications networks where power
can be conserved by powering-off the PN clock and PN generators during
slotted mode sleep intervals. The system and method targets a family of
10 time intervals, and stores phase shifting masks corresponding to these
probable intervals. The PN code generated with the phase-shifting mask
at power-up is sufficiently accurate to permit rapid resynchronization.
Further, because the phase-shifting masks do not have to be calculated,
processing time is minimized and the PN clock and generators can be
15 powered-off for longer periods of time.